

DETAILED ACTION

1. Examiner withdrawing office action of January 6, 2010 and replacing this office action in compliance with PCT Rule 13.1.

Election/Restrictions

2. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species I corresponds to the embodiments disclosed in paragraph [0081] and reads on **claims 2-3, 28.**

Species II corresponds to the embodiments disclosed in paragraph [0070] and reads on **claims 4, 29.**

Species III corresponds to the embodiments disclosed in paragraph [0105] and reads on **claims 5, 8, 30, 33.**

Species IV corresponds to the embodiments disclosed in paragraph [0077] and reads on **claims 6, 10, 11, 31, 35, 36, 49.**

Species V corresponds to the embodiments disclosed in paragraph [0070] and reads on **claims 7, 32.**

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Species VI corresponds to the embodiments disclosed in paragraph [0093] and reads on **claims 9, 34**.

Species VII corresponds to the embodiments disclosed in paragraph [0113] and reads on **claims 12, 37**.

Species VIII corresponds to the embodiments disclosed in paragraph [0059] and reads on **claims 13-16, 38-40**.

Species IX corresponds to the embodiments disclosed in paragraph [0044] and reads on **claims 17, 41**.

Species X corresponds to the embodiments disclosed in paragraph [0049] and reads on **claims 18, 42, 51**.

Species XI corresponds to the embodiments disclosed in paragraph [0152] and reads on **claims 19, 43**.

Species XII corresponds to the embodiments disclosed in paragraph [0190] and reads on **claims 20, 44**.

Species XIII corresponds to the embodiments disclosed in paragraph [0188] and reads on **claims 21 45, 50**.

Species XIV corresponds to the embodiments disclosed in paragraph [0124] and reads on **claims 22, 23, 46, 47**.

Species XV corresponds to the embodiments disclosed in paragraph [0123] and reads on **claims 24, 48**.

Species XVI corresponds to the embodiments disclosed in paragraph [1033] and reads on **claim 25**.

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Species XVII corresponds to the embodiments disclosed in paragraph [0149] and reads on **claim 26**.

Species XVIII corresponds to the embodiments disclosed in paragraph [0036], and fig. 1 and reads on **claims 52, 70-75**.

Species XIX corresponds to the embodiments disclosed in paragraph [0173], and fig. 14 and reads on **claims 53, 54, 55, 59, 60, 61**.

Species XX corresponds to the embodiments disclosed in paragraph [0204] and reads on **claims 56, 58, 65**.

Species XXI corresponds to the embodiments disclosed in paragraph [0206] and reads on **claims 57, 66**.

Species XXII corresponds to the embodiments disclosed in fig. 9 and reads on **claims 62-64, 67, 68, 69**.

3. Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim. Currently, the following claim(s) are generic: **Claims 1, and 27**.

4. The claims are deemed to correspond to the species listed above in the following manner:

Species I and claims 2-3, 28.

Species II and claims 4, 29.

Species III and claims 5, 8, 30, 33.

Species IV and claims 6, 10, 11, 31, 35, 36, 49.

Species V and claims 7, 32.

Species VI and claims 9, 34.

Species VII and claims 12, 37.

Species VIII and claims 13-16, 38-40.

Species IX and claims 17, 41.

Species X and claims 18, 42, 51.

Species XI and claims 19, 43.

Species XII and claims 20, 44.

Species XIII and claims 21 45, 50.

Species XIV and claims 22, 23, 46, 47.

Species XV and claims 24, 48.

Species XVI and claim 25.

Species XVII and claim 26.

Species XVIII and claims 52, 70-75.

Species XIX and claims 53, 54, 55, 59, 60, 61.

Species XX and claims 56, 58, 65.

Species XXI and claims 57, 66.

Species XXII and claims 62-64, 67, 68, 69.

The following claims are generic: **Claims 1, and 27.**

REQUIREMENT FOR UNITY OF INVENTION

5. As provided in 37 CFR 1.475(a), a national stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept ("requirement of unity of invention"). Where a group of inventions is claimed in a national stage application, the requirement of unity of invention shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

The determination whether a group of inventions is so linked as to form a single general inventive concept shall be made without regard to whether the inventions are claimed in separate claims or as alternatives within a single claim. See 37 CFR 1.475(e).

WHEN CLAIMS ARE DIRECTED TO MULTIPLE CATEGORIES OF INVENTIONS

As provided in 37 CFR 1.475(b), a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories:

- (1) A product and a process specially adapted for the manufacture of said product; or
- (2) A product and process of use of said product; or
- (3) A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or
- (4) A process and an apparatus or means specifically designed for carrying out the said process; or
- (5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Otherwise, unity of invention might not be present. See 37 CFR 1.475(c).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MEHDI RASHIDIAN whose telephone number is (571)272-9763. The examiner can normally be reached on Mon-Thurs 9:00 AM to 8:00 PM, ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on (571) 272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mehdi Rashidian/

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Examiner, Art Unit 2624
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/Samir A. Ahmed/

Supervisory Patent Examiner, Art Unit 2624